

SEQUENCE LISTING

<110> Japan Science and Technology Agency
Tsukasa SEYA
Misako MATSUMOTO
Hiroyuki OSHIUMI

<120> Novel Adaptor Protein that Binds to Mammalian Toll-Like Receptor 3,
and Gene Thereof

<130> 1035-591 / A211-02/PCT

<140> US 10/536,802
<141> 2005-09-22

<150> PCT/JP2003/014854
<151> 2003-11-20

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acc cca cgc cca ggc tgc cag ggg cag gac ctc ctg cat gcc atg gtt 203
Thr Pro Arg Pro Gly Cys Gln Gly Gln Asp Leu Leu His Ala Met Val
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Lys Ala Asp Ala Val Ala Arg Leu Val Ala Arg Gln Trp Ala Gly Val
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Asp Ser Thr Glu Asp Pro Glu Glu Pro Pro Asp Val Ser Trp Ala Val
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Ala Arg Leu Tyr His Leu Leu Ala Glu Glu Lys Leu Cys Pro Ala Ser
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Ser Leu Pro Arg Pro Ile Asp Gly Val Ser Asp Trp Ser Gln Gly Cys
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His Gly Pro Ser Lys Leu Cys Asp Asp Pro Gln Ala Ser Leu Val Pro
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| Leu | Asp | Glu | His | Ser | Gln | Ile | Phe | Ala | Arg | Lys | Val | Ala | Asn | Thr | Phe |
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| Lys | Pro | His | Arg | Leu | Gln | Ala | Arg | Lys | Ala | Met | Trp | Arg | Lys | Glu | Gln |
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625 630 635 640

Pro Pro Pro Pro Ser Pro Gln Pro Ala Ala Phe Pro Gln Ser Leu Pro
645 650 655

Phe Pro Gln Ser Pro Ala Phe Pro Thr Ala Ser Pro Ala Pro Pro Gln
660 665 670

Ser Pro Gly Leu Gln Pro Leu Ile Ile His His Ala Gln Met Val Gln
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Gly Ala Leu Glu Arg Asp Arg Leu Thr His Leu Lys His Lys Leu Gly
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Ser Leu Cys Ser Gly Ser Gln Glu Ser Lys Leu Leu His Ala Met Val
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 35 40 45

Leu Ala Leu Gly Gln Asp Thr Glu Ala Arg Val Ser Leu Glu Ser Leu
 50 55 60

Lys Met Asn Thr Val Ala Gln Leu Val Ala His Gln Trp Ala Asp Met
 65 70 75 80

Glu Thr Thr Glu Gly Pro Glu Glu Pro Pro Asp Leu Ser Trp Thr Val
 85 90 95

Ala Arg Leu Tyr His Leu Leu Ala Glu Glu Asn Leu Cys Pro Ala Ser
 100 105 110

Thr Arg Asp Met Ala Tyr Gln Val Ala Leu Arg Asp Phe Ala Ser Gln
 115 120 125

Gly Asp His Gln Leu Gly Gln Leu Gln Asn Glu Ala Trp Asp Arg Cys
 130 135 140

Ser Ser Asp Ile Lys Gly Asp Pro Ser Gly Phe Gln Pro Leu His Ser
 145 150 155 160

His Gln Gly Ser Leu Gln Pro Pro Ser Ala Ser Pro Ala Val Thr Arg
 165 170 175

Ser Gln Pro Arg Pro Ile Asp Thr Pro Asp Trp Ser Trp Gly His Thr
 180 185 190

Leu His Ser Thr Asn Ser Thr Ala Ser Leu Ala Ser His Leu Glu Ile
 195 200 205

Ser Gln Ser Pro Thr Leu Ala Phe Leu Ser Ser His His Gly Thr His
 210 215 220

Gly Pro Ser Lys Leu Cys Asn Thr Pro Leu Asp Thr Gln Glu Pro Gln
 225 230 235 240

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | Val | Pro | Glu | Gly | Cys | Gln | Glu | Pro | Glu | Glu | Ile | Ser | Trp | Pro | Pro |
| | | | 245 | | | | | 250 | | | | | | 255 | |
| Ser | Val | Glu | Thr | Ser | Val | Ser | Leu | Gly | Leu | Pro | His | Glu | Ile | Ser | Val |
| | | | 260 | | | | | 265 | | | | | 270 | | |
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| | | | 275 | | | | | 280 | | | | | 285 | | |
| Ala | Ala | Pro | Asp | Thr | Ser | Val | His | Cys | Pro | Ile | Glu | Cys | Thr | Glu | Leu |
| | | | 290 | | | | 295 | | | | | 300 | | | |
| Ser | Thr | Asn | Ser | Arg | Ser | Pro | Leu | Thr | Ser | Thr | Thr | Glu | Ser | Val | Gly |
| | | | 305 | | | | 310 | | | | 315 | | | 320 | |
| Lys | Gln | Trp | Pro | Ile | Thr | Ser | Gln | Arg | Ser | Pro | Gln | Val | Pro | Val | Gly |
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| Asp | Asp | Ser | Leu | Gln | Asn | Thr | Thr | Ser | Ser | Ser | Pro | Pro | Ala | Gln | Pro |
| | | | 340 | | | | | 345 | | | | | 350 | | |
| Pro | Ser | Leu | Gln | Ala | Ser | Pro | Lys | Leu | Pro | Pro | Ser | Pro | Leu | Ser | Ser |
| | | | 355 | | | | 360 | | | | | 365 | | | |
| Ala | Ser | Ser | Pro | Ser | Ser | Tyr | Pro | Ala | Pro | Pro | Thr | Ser | Thr | Ser | Pro |
| | | | 370 | | | 375 | | | | | 380 | | | | |
| Val | Leu | Asp | His | Ser | Glu | Thr | Ser | Asp | Gln | Lys | Phe | Tyr | Asn | Phe | Val |
| | | | 385 | | | 390 | | | | 395 | | | | 400 | |
| Val | Ile | His | Ala | Arg | Ala | Asp | Glu | Gln | Val | Ala | Leu | Arg | Ile | Arg | Glu |
| | | | 405 | | | | | 410 | | | | 415 | | | |
| Lys | Leu | Glu | Thr | Leu | Gly | Val | Pro | Asp | Gly | Ala | Thr | Phe | Cys | Glu | Glu |
| | | | 420 | | | | | 425 | | | | 430 | | | |
| Phe | Gln | Val | Pro | Gly | Arg | Gly | Glu | Leu | His | Cys | Leu | Gln | Asp | Ala | Ile |
| | | | 435 | | | | 440 | | | | | 445 | | | |
| Asp | His | Ser | Gly | Phe | Thr | Ile | Leu | Leu | Leu | Thr | Ala | Ser | Phe | Asp | Cys |
| | | | 450 | | | | 455 | | | | 460 | | | | |
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| | | | 465 | | | | 470 | | | | 475 | | | 480 | |
| Gln | Ser | Gly | Arg | Gln | Asp | Cys | Val | Ile | Pro | Leu | Leu | Pro | Leu | Glu | Cys |
| | | | 485 | | | | | 490 | | | | 495 | | | |
| Ser | Gln | Ala | Gln | Leu | Ser | Pro | Asp | Thr | Thr | Arg | Leu | Leu | His | Ser | Ile |
| | | | 500 | | | | | 505 | | | | | 510 | | |
| Val | Trp | Leu | Asp | Glu | His | Ser | Pro | Ile | Phe | Ala | Arg | Lys | Val | Ala | Asn |
| | | | 515 | | | | | 520 | | | | 525 | | | |
| Thr | Phe | Lys | Thr | Gln | Lys | Leu | Gln | Ala | Gln | Arg | Val | Arg | Trp | Lys | Lys |
| | | | 530 | | | | | 535 | | | | 540 | | | |

Ala Gln Glu Ala Arg Thr Leu Lys Glu Gln Ser Ile Gln Leu Glu Ala
 545 550 555 560

Glu Arg Gln Asn Val Ala Ala Ile Ser Ala Ala Tyr Thr Ala Tyr Val
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His Ser Tyr Arg Ala Trp Gln Ala Glu Met Asn Lys Leu Gly Val Ala
 580 585 590

Phe Gly Lys Asn Leu Ser Leu Gly Thr Pro Thr Pro Ser Trp Pro Gly
 595 600 605

Cys Pro Gln Pro Ile Pro Ser His Pro Gln Gly Gly Thr Pro Val Phe
 610 615 620

Pro Tyr Ser Pro Gln Pro Pro Ser Phe Pro Gln Pro Pro Cys Phe Pro
 625 630 635 640

Gln Pro Pro Ser Phe Pro Gln Pro Pro Ser Phe Pro Leu Pro Pro Val
 645 650 655

Ser Ser Pro Gln Ser Gln Ser Phe Pro Ser Ala Ser Ser Pro Ala Pro
 660 665 670

Gln Thr Pro Gly Pro Gln Pro Leu Ile Ile His His Ala Gln Met Val
 675 680 685

Gln Leu Gly Val Asn Asn His Met Trp Gly His Thr Gly Ala Gln Ser
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Thr Asp Gln Gly Glu Pro Leu Leu Glu Thr Pro Glu
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